SHURE®

LX WIRELESS

LX WIRELESS

LX4 MARCAD® Diversity Receiver (front)

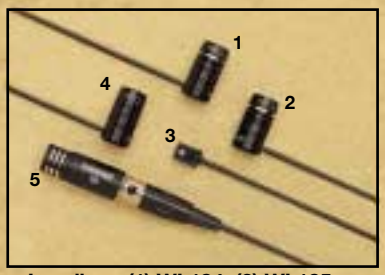
LX4 MARCAD® Diversity Receiver (back)

LX2/Beta 58 (features premium supercardioid Beta 58 dynamic mic)

LX2/Beta 87 (features premium supercardioid Beta 87 condenser mic)

LX1 Body-pack Transmitter

WA525 Heavy Duty Carry Case (available accessory)



Lavaliers: (1) WL184, (2) WL185, (3) WL93, (4) WL183, (5) WM98 Instrument Microphone

LX2/58

LX2/87

WH20TQG Dynamic Headworn Microphone

THE LUXURY OF AFFORDABLE PERFORMANCE.

The Shure LX Wireless system delivers everything you'd expect from a high performance microphone system, without the high price.

With its array of exclusive features and available accessories, LX Wireless answers the call for a durable, versatile system that offers years of trouble-free service.

LX4 MARCAD® DIVERSITY RECEIVER SENDS SOUND QUALITY TO NEW LEVELS.

The LX4 MARCAD diversity receiver has been designed to deliver outstanding sound and reliability in every application.

MARCAD (Maximum Ratio Combining Audio Diversity) circuitry provides the benefits of two independent RF sections for remarkable sensitivity, improved reception and exceptional freedom from dropout.

Its half-rack design saves space where you need it most. What's more, the all-metal chassis comes with rack mounting accessories that provide both single and dual mounting options.

Squelch control is located on the front panel for easy access. The system features an in-line transformer that saves even more precious space on power strips, along with a locking DC connector. And you can permanently secure the transformer by using its mounting tabs.

LX Wireless systems are also available with the LX3, a single antenna receiver with the same half-rack design as the LX4.

THE SLEEK, SOPHISTICATED LX1 BODY-PACK TRANSMITTER.

Shure's low-profile, highly durable LX1 body-pack transmitter delivers 18 to 20 hours of battery life. And with its power/battery fuel gauge, featuring a three-segment LED display, users always know at a glance exactly how much life is left.

The LX1 features a wide dynamic range and unsurpassed reliability, plus convenience features like vertical and horizontal actuated toggle mute switches, which are easily identified by touch.

A GUITAR SYSTEM THAT ROCKS WITH THE BEST OF THEM.

The LX Wireless Guitar System features crisp, clean sound and transmitter batteries that can survive several gigs. We've even redesigned the belt clip to attach more securely to the guitar strap.

All so guitarists can "lose their leashes" but keep all of their tone for hours longer than before.

LOW-PROFILE, HIGH-PERFORMANCE SHURE LAVALIERS.

Shure offers a wide assortment of lavalier microphones, each designed to work in tandem with Shure's LX1 body-pack transmitter.

- WL183 Professional omnidirectional lavalier
- WL184 Professional supercardioid lavalier
- WL185 Professional cardioid lavalier
- WL93 Omnidirectional micro-miniature lavalier (also available in tan as WL93T)

HEADWORN MICS THAT STAND HEAD AND SHOULDERS ABOVE THE REST.

Shure offers a choice of headworn microphones including:

- WCM16 hypercardioid condenser for vocalists who need premium sound quality and excellent feedback rejection while they play an instrument or dance on stage.
- WH20TQG dynamic for reliable performance in active applications such as aerobic instruction and DJing.

THE WM98 INSTRUMENT MICROPHONE CAPTURES THE SOUND, SUBTLETIES AND SPIRIT.

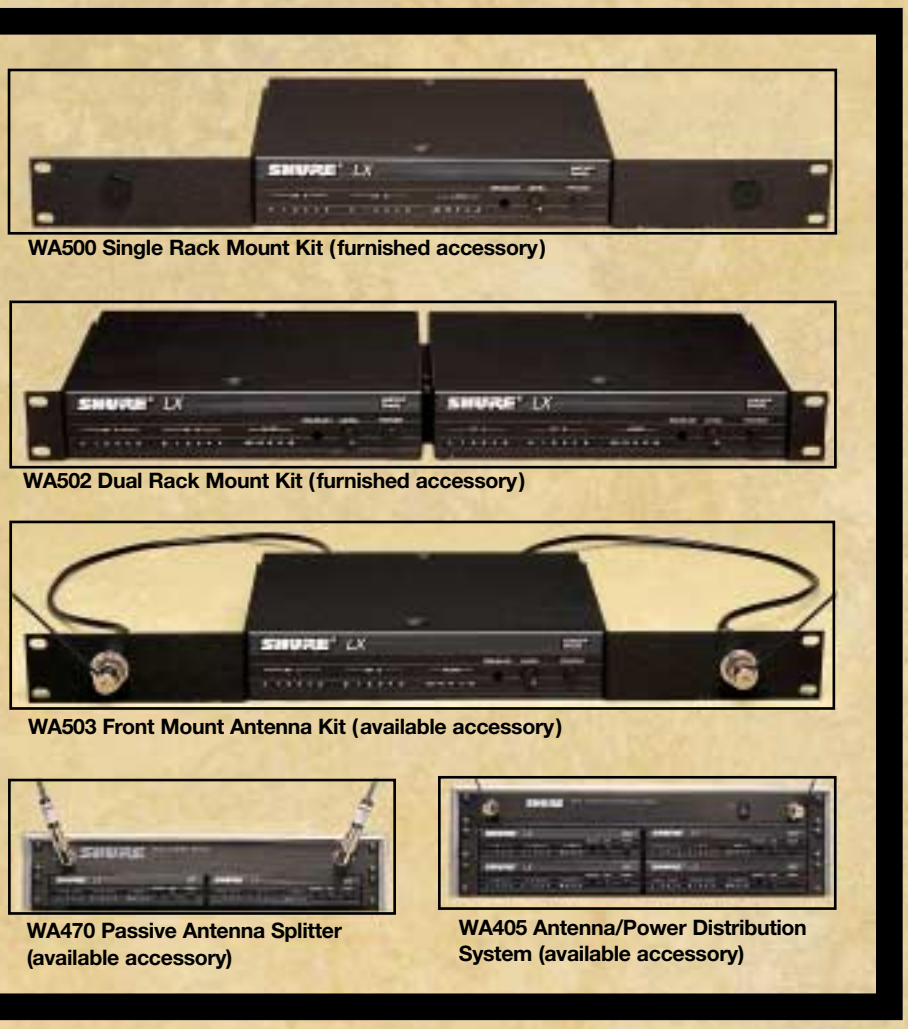
The most popular miniature instrument microphone in the world, the cardioid WM98 wireless system is ideal for horns and other acoustic instruments. Included with the system is the A98KCS horn clamp which provides mounting capability for most brass and woodwind instruments.

THE LX2 HANDHELD TRANSMITTER: THE LOOK AND FEEL OF A SOUND CHOICE.

Beneath the sleek, elegant exterior of the Shure LX2 handheld transmitter lie the electronics and engineering that deliver the sound that's spelled success for so many users.

Battery life is an impressive 18 to 20 hours. The three-segment LED power/battery fuel gauge instantly indicates remaining life. There's even a fully adjustable audio gain control, plus a battery mounting that provides easy access and outstanding transmitter balance.

The LX2 comes in your choice of four versions: the LX2/58 dynamic mic featuring the world standard SM58 mic, the LX2/87 condenser mic, or the high-performance, premium-quality LX2/Beta 58 dynamic and LX2/Beta 87 condenser, which have become the mics of choice for concert sound. And all heads are instantly interchangeable.



WA500 Single Rack Mount Kit (furnished accessory)

WA502 Dual Rack Mount Kit (furnished accessory)

WA503 Front Mount Antenna Kit (available accessory)

WA470 Passive Antenna Splitter (available accessory)

WA405 Antenna/Power Distribution System (available accessory)

And to protect against the accidental flipping of transmitter switches by the user, each mic features a WA555 external grip switch cover.

FURNISHED ACCESSORIES.

WA302 Instrument cable (guitar systems only)

WA371 Microphone stand adapter (handheld systems only)

WA500 Single rack mount kit

WA502 Dual rack mount kit

WA555 External grip switch cover (handheld systems only)

PS40 In-line power supply

A98KCS Horn clamp (WM98 systems only)

AVAILABLE ACCESSORIES.

WA380 1/2 wave antenna with mounting bracket

WA405 Antenna/power distribution system for multiple wireless applications

WA490 1/2 wave cable antenna

WA421 6.1m (20 ft) antenna cable with connectors

WA503 Front mount antenna kit

WA470 Passive antenna splitter. Provides antenna distribution for two diversity wireless receivers.

WA525 Carry case. Provides convenient, secure storage and transportation for a single LX Wireless system.

MORE OF WHAT YOU NEED MOST.

More compact. More quiet. More durable. More versatile.

LX Series delivers more of what you need in a wireless system. And LX Series takes Shure's legacy of unsurpassed dependability and performance to a new level, offering unmatched freedom from dropouts and interference.

It's just what you'd expect from the world's premier microphone maker: SHURE.

SHURE®

SPECIFICATIONS

RF CARRIER FREQUENCY RANGE
169.445 to 240 MHz (available frequencies depend on applicable country regulations)

WORKING RANGE
92 m (300 ft) under typical conditions (NOTE: Operating range depends on many variables, including RF signal absorption, reflection and interference)

AUDIO FREQUENCY RESPONSE
50 to 15,000 Hz, ±2 dB (NOTE: Overall system frequency response depends on the microphone element)

AUDIO OUTPUT LEVEL
(ref. ±15 kHz deviation, 1 kHz tone)
XLR connector (into 600Ω load): 0dBV (line); -20 dBV (mic) (not available with the LX3)
¼-inch connector (into 3kΩ load): -8.8dBV

GAIN ADJUSTMENT RANGE
LX1: 40 dB (continuously adjustable)

LX2: 25 dB (continuously adjustable)

IMPEDANCES
LX1 (input): 1MΩ

LX3 (output): 3kΩ (¼-inch phone jack)

LX4 (output): 150Ω (XLR); 3kΩ (¼-inch phone jack)

MODULATION
±15 kHz deviation compressor-expander system with pre- and de-emphasis

RF POWER OUTPUT
LX1, LX2: 50 mW maximum

DYNAMIC RANGE

>102 dB, A-weighted

RF SENSITIVITY
0.45 µV for 12 dB SINAD (typical)

IMAGE REJECTION
80 dB typical

SPURIOUS REJECTION
75 dB typical

ULTIMATE QUIETING
(ref. 15 kHz deviation)
>100 dB, A-weighted

SYSTEM POLARITY
Positive voltage at transmitter input produces positive voltage at receiver audio outputs (Tip + and Pin 2 + relative to 3)

SYSTEM DISTORTION
(ref. ±15 kHz deviation, 1 kHz modulation)
0.3% THD typical

POWER REQUIREMENTS
LX1, LX2: 9V alkaline battery (DURACELL® MN1604 recommended); 8.4V Nicad optional

LX4: 12.5-18 Vdc (negative ground), 400 mA; model PS31 external ac adapter (120 Vac, 60 Hz) or model PS31E external ac adapter (230 Vac, 50 Hz) supplied.

BATTERY LIFE
(ref. Duracell MN1604)
18-20 hours

OPERATING TEMPERATURE RANGE
-20˚ to 50˚ C (-4˚ to 122˚ F)

NOTE: Battery characteristics may limit this range.

OVERALL DIMENSIONS
LX1: 95.2 mm H x 63.5 mm W x 33.3 mm D (3¾ x 2½ x 1⁵⁄₁₆ in.)

LX2/58, LX2/BETA 58:
241 mm L x 50.8 mm Dia. (9½ x 2 in.)

LX2/87, LX2/BETA 87:
216 mm L x 50.8 mm Dia. (8½ x 2 in.)

LX3: 39.7 mm H x 214 mm W x 184 mm D (1⁹⁄₁₆ x 8⁷⁄₁₆ x 7¼ in.)

LX4: 39.7 mm H x 214 mm W x 184 mm D (1⁹⁄₁₆ x 8⁷⁄₁₆ x 7¼ in.)

NET WEIGHT
(without battery)
LX1: 80.5 g (2.8 oz)

LX2/58, LX2/BETA 58: 298 g (10.4 oz)

LX2/87, LX2/BETA 87: 195 g (6.8 oz)

LX3: 1.2 kg (2 lb 11 oz)

LX4: 1.2 kg (2 lb 11 oz)

CERTIFICATION
Approved for sale and use by regulatory agencies throughout the world. Approvals include FCC, IC, CE, BAPT, RA and others. For further information, contact your local Shure dealer.

PREPACKAGED, READY TO USE SHURE WIRELESS SYSTEMS

GUITAR/INSTRUMENT SYSTEMS

LX13 **LX14**	Body-pack/Guitar (LX3 or LX4 receiver, LX1 transmitter, WA302 instrument cable)
LX14/98	Body-pack/Instrument (LX4 receiver, LX1 transmitter, WM98 microphone)

HEADWORN SYSTEMS

LX14/20	Body-pack/Headworn (LX4 receiver, LX1 transmitter, WH20TQG microphone)
LX14/16	Body-pack/Headworn (LX4 receiver, LX1 transmitter, WCM16 microphone)

LAVALIER SYSTEMS

LX13/83 **LX14/83**	Body-pack/Lavalier (LX3 or LX4 receiver, LX1 transmitter, WL183 microphone)
LX13/84 **LX14/84**	Body-pack/Lavalier (LX3 or LX4 receiver, LX1 transmitter, WL184 microphone)
LX13/85 **LX14/85**	Body-pack/Lavalier (LX3 or LX4 receiver, LX1 transmitter, WL185 microphone)
LX13/93 **LX14/93**	Body-pack/Lavalier (LX3 or LX4 receiver, LX1 transmitter, WL93 microphone)

HANDHELD SYSTEMS

LX23/58 **LX24/58**	Handheld (LX3 or LX4 receiver, LX2/58 transmitter)
LX24/87	Handheld (LX4 receiver, LX2/87 transmitter)
LX24/ BETA58	Handheld (LX4 receiver, LX2/BETA 58 transmitter)
LX24/ BETA87	Handheld (LX4 receiver, LX2/BETA 87 transmitter)

NOTE: 220V Versions should be ordered using an "E" prefix (e.g., ELX24/58).

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